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Genomics and Genetics of Medicinal Plants

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Message from the Guest Editors

Dear Colleagues,

With the increase in demand for medicinal plants and development and application of high-throughput technologies, the research field of medicinal plants has rapidly expanded. Significant progress has been made in studying the genomics, transcriptomics, proteomics, and metabolomics of medicinal plants. This Special Issue aims to share innovative results from the research field of medicinal plants to aid further studies on secondary metabolism, medicinal plant improvement, and the production of functionally important secondary metabolites. Topics of interest for this Special Issue include, but are not limited to:

Genomics, transcriptomics, proteomics, and metabolomics of medicinal plants; Biosynthetic pathway of secondary metabolites; Key enzyme genes involved in the biosynthesis of secondary metabolites; Transcription factor and regulatory network in medicinal plants; Metabolic engineering and synthetic biology of secondary metabolites; Application of high-throughput sequencing technologies; Databases associated with the biosynthesis and regulation of secondary metabolites; Novel technologies and strategies for secondary metabolism studies



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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